accenture

Correspondence Number: 01EDU0386S

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#	**Suggested Changes/Comments**	**Page**	**Author**	**Date**	**Change Made Y/N**	**Comment**
1	Remove shading from tables and headers	General	PSL	4/5/01	Y	
2	Change the term "pre-planning" to "review planning" in the document	1, 50, and 77	PS	4/10/01	Y	The 3 occurrences of this re-wording were completed.
3	Change "Dollars" to "Percent" in the middle 3 columns of the report template	23	PS	4/10/01	Y	
4	Remove the cents (.00) from the total row of this report.	26	PS	4/10/01	Y	
5	On the Quarterly table of this report, change "Repay" to "Interim" and "Payout" to "Repay"	51	PS	4/10/01	Y	
6	Remove "Normal Original Payment" from header of the first table on this report.	60	PS	4/10/01	Y	
7	Change the name of this report from "Interest Payment by Loan Type" to "Lender Portfolio Analysis by Loan Type" and reverse the tables so that 799 Part V data is displayed first.	62	PS	4/10/01	Y	
8	Should we use industry standards for our Standard Abbreviations (e.g., PRIN for principal, NO for number, etc.)? If users need to know and use these abbreviations for ad hoc reporting, then recommend using standards that are consistent.	Appendix A	PS	4/10/01	N	These abbreviations were used only for the database design and will be transparent to the users.
9	Change 'financial transactions' to 'financial management'	44	FM	4/10/01	Y	
10	We usually just use the calculated amount not the reported amount from the lender fees	C-39	FM	4/10/01	N	We will keep the reported about as well as the calculated amount
11	The comment for LNDR_ID should relate to Part VI not Part IV	C-40	FM	4/10/01	Y	
12	Need to add additional values into the Lender Special Allowance dimension table	71	FM	4/11/01	Y	
13	Change 'oversight and analysis' to Partner Services and Financial Management	66	Mod Ptr	4/10/01	Y	
14	Move the information regarding new architecture tools to the Overview of the Data Mart Architecture section	1-2	Mod Ptr	4/10/01	Y	
15	Missing box to represent "user-supplied cross-reference data."	3 - Diagram: FP Data Mart Architecture	CIO	4/11/01	Y	Included a more detailed architecture picture with input from 3 areas.
16	The introductory paragraph states that this portion of the document "identifies areas for future development of Releases 2.0 and 3.0, and business processing re-engineering opportunities". I could not identify discussion that delineated products/output by the various releases. Nor could I find any dialogue pertaining to the re-engineering	3 - Assumptions and Constraints	CIO	4/11/01	Y	Removed the sentence since it is not appropriate in a section that discusses assumptions and constraints

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	opportunities.					
17	As this is the first reference to the ETL process in this document please change "ETL" to "Extract-Transform-Load (ETL)".	4 - Assumptions and Constraints item: Error Handling	CIO	4/11/01	Y	
18	This section is missing Requirements discussion. Is the subsection "Ad Hoc Reporting" intended to be the content for Query Design?	5 - End-user Requirements , Reports and Query Design	CIO	4/11/01	Y	Added a couple of paragraphs to identify the approach used to gather requirements. Also added a sentence to identify that end user queries would be ad-hoc.
19	I suggest that the report names in the matrix on page 5 and the report name provided with each report description be identical. References such as "(3 years)" and "(for Subsidized and Unsubsidized Loans)" should be included in the introductory paragraph for each report.	5 - Guaranty Agency Reports	CIO	4/11/01	Y	
20	As with the Guaranty Agency reports, I suggest that the report names in the matrix on page 44 and the report name provided with each report description be identical.	44 - Lender Reports	CIO	4/11/01	Y	
21	Beginning with the *Lender Multi-Year Portfolio Analysis Report* Lender Report numbering sequence is off by one. This report should be number 3.	50 - Lender Reports	CIO	4/11/01	Y	
22	Correct misspelling of the fact table title for "Lender Geography"	66 - Diagram: FP Data Mart Logical Model	CIO	4/11/01	Y	
23	What is the purpose of a monthly FFEL load? Is this for extract of lender data? user-supplied cross-reference data?	73 - Data Acquisition and Data Mapping	CIO	4/11/01	Y	Updated the Data Acquisition process to better identify the process.
24	Why are we not checking the transformed FTP data file content back to the original source data in the FFEL System? Random sampling would assist in validating that the compressed elements were correctly transformed.	74 - Data Quality Assurance	CIO	4/11/01	Y	Expanded the level of validation of the data
25	This section should clearly indicate which of these items are included in this undertaking and which items are proposed for consideration.	77 - Business Process Re-	CIO	4/11/01	Y	Added a sentence to the end of each item.

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		engineering				
26	Consider using the abbreviation "Fed" for federal.	A-1 - FP Data Mart Standard Abbreviation s	CIO	4/11/01	N	These abbreviations are used only for the database design and will be transparent to the user.
27	Correct misspelling of the fact table title for "Lender Geography" Enlarge the box for Lender Billing Code.	B-2 - FP Data Mart Logical Data Model Overview	CIO	4/11/01	Y	
28	Correct misspelling of Guarantee Activity Claims.	B-19	CIO	4/11/01	Y	
29	Section did not "quantify any benefits gained".	1 - Introduction	CIO	4/11/01	N	The design document is not intended to quantify benefits.
30	An Implementation Schedule was not included	1 - Introduction	FP	4/11/01	N	An implementation schedule was not identified in the Task Order as part of the design document
31	3rd Paragraph from bottom does not cite Microstrategy's OLAP tool as a COTS tool.	1 - Introduction	FP	4/11/01	Y	
32	Change sentence to read, "FFEL will serve as the initial data source"..	2 - Overview of the Data Mart Architecture	FP	4/11/01	Y	Also clarified that two additional sources will be used in Release 1 – lender associations and some Form 1130 annual data that does not exist in FFEL.
33	Include, "reports will be limited to data contained in the FFEL system"	3 – Assumptions and Constraints	FP	4/11/01	Y	Added this constraint in the Project Scope item in the matrix.
34	Report Requests: Does Plan address the integration of data from other major systems (e.g., NSLDS, PEPS)?	4 – Assumptions and Constraints	FP	4/11/01	N	This plan does not specifically address integration with other sources. Future releases which will support the other sources will address the integration issues.
35	Why were layouts designed in EXCEL versus using Microstrategy software?	5 - 2nd sentence after table	FP	4/11/01	N	In order to have the reports displayed as screen prints from MicroStrategy, the database tables

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						had to already be created and the FFEL data had to be loaded.
36	Where are the two sources cited, other than FFEL, depicted in the Model shown?	66 - Logical Data Model	FP	4/11/01	N	The lender association are in the Lender dimension (Lender Name and Parent Lender). The Form 1130 information will be contained in a fact table.
37	What is being accomplished in this paragraph?	77 - Item #3	FP	4/11/01	N	This item is a suggestion to made the information contained in the data mart even more current – when information from the PEPS system is used as a source for the data mart.
38	No previous instance of putting FMS generated data into the FP Data Mart.	77 - Item #4	FP	4/11/01	N	This item is not for Release 1 – it is a different effort within the FP Channel. The items listed in this section are suggestions that will ultimately enhance the data mart either through additional information placed into the data mart to through procedures on when/how to use the data mart.
39	Several mentions were made to "Greg's Dbase" in this appendix. Did not see any previous references to this database containing a description, connectivity, host system, etc.	Appendix C	FP	4/11/01	Y	Revised to say that it is the Dbase file. Also included in section 1.4 Overview of data mart architecture as ‘FFEL Annual Info – Dbase’
40	I don't see the identification codes for GAs or lenders. I do see them in the narrative sections supporting that model.	66	PS	4/11/01	Y	Changed the Lender dimension box to remove ‘name’ from the ‘Lender name’ box. This also affected Appendix B
41	For the GA, I feel we should use the 3 digit code and the 6 digit ID.		PS	4/11/01	Y	Added the 6 digit GA identifier to the GA dimension table in section 3.3 Dimensions

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42	These IDs need to be incorporated in the data models identified in the "B" section. Maybe use similarities, e.g., if you have a fact name for "GA" then have a fact name for "lender" and the dimension description be similar--name, id, code, parent assoc., ect.	Appendix B	PS	4/11/01	Y	Changed the Lender dimension box to remove 'name' from the 'Lender name' box. This also affected Appendix B. The 'white' boxes within the 'grey' boxes for the dimensions identifies a hierarchy within the dimension. The Lenders have a hierarchy as a result of parent lenders. The GA's do not have this same condition.
43	Didn't see a fact table to support the report on Page 10 which is the guarantor's annual report for periods 1995 through 1998	10	PS	4/11/01	Y	The report matrix for the reports on page 10 and 11 were combined. The report was treated as a single report since it was the annual report. They reports have been split for clarity.
44	Need a glossary of terms for technical names and acronyms, (i.e. SQL, page 1, list in Appendix A).	General	PS	4/11/01	Y	The first usage of acronyms will identify the full words used in the acronym. Appendix is for abbreviations and is not intended for acronyms.
45	Do the FP users need to write queries to generate reports, i.e., the automated reports and other custom reports? Query capability is only included in paragraph 2 on page 1 of the "Introduction". Queries should be addressed as they relate to the reports.	1	PS	4/11/01	N	See section 2.4. This discusses ad hoc reporting and querying (querying was added).
46	What is the difference between the MicroStrategy web interface and the MicroStrategy desktop software? At the bottom of page 1, the term "trained users" appears in reference to the MicroStrategy desktop software users but it is not written into the document as a requirement for MicroStrategy web interface users	2 - FP Data Mart user groups	PS	4/11/01	Y	The sentence was removed from the section on 'deployment over the web'. An additional sentence was added to the section on 'FP Data Mart user groups' for the FP Channel Power Users.
47	FP Channel users and Other SFA users have the same definition. Can you	2	PS	4/11/01	N	These groups should be kept

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	combine these two users					separate as access to specific data may be different between the two groups.
48	What does previous period mean? Is it FY1995 to present? Please define.	2 - Overview of the Data Mart Architecture	PS	4/11/01	Y	Changed the sentence to be more specific.
49	What does FTP mean? Please define	2	PS	4/11/01	Y	The first usage of acronyms will identify the full words used in the acronym. Appendix is for abbreviations and is not intended for acronyms.
50	Which user groups do these sentences reference? Four user groups are defined in the document. The names in the diagram should be aligned with the four defined user groups. They appear changed in the diagram for FP Data Mart (Release 1.0) Architecture. (Page 3)	2	PS	4/11/01	Y	In section 1.1 FP Data Mart User Groups an identifier was added to differentiate between internal users and external users. From an architecture perspective (in the diagram) a distinction between the different types of internal users is not necessary.
51	Under report requests, current should be “currently”.	4	PS	4/11/01	Y	
52	Error handling. “ETL”, Please define	4	PS	4/11/01	Y	The first usage of acronyms will identify the full words used in the acronym. Appendix A is for abbreviations and is not intended for acronyms.
53	Insert FP before user in sentence that begins, As the project continues	4	PS	4/11/01	Y	
54	“Guaranty Agency Reports” #4 should be moved up under #3 and this will correct the error (3 4 year). Move “0” up to 1 to make the number 10	5	PS	4/11/01	N	This appears to be an issue with only some printers – my copy and several others that I have seen are fine.
55	Under the header Federal Receivable Data (Part C) switch the “Age Category” with “Accounts Not Scheduled”.	6	PS	4/11/01	Y	
56	Is the header for (C-27-34) the same as (C-11-26)?	6	PS	4/11/01	Y	

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57	Column Specifications, Insert Guaranty Activity-Loans Guaranteed; Federal Receivable (Row Label)	7-9	PS	4/11/01	Y	
58	Column Specification on all pages need be checked against the 1189 report to ensure that they are exactly aligned. Bold face the sections and make sure the word "section" is used at the end of the description. The headers on the form and the headers in the Attribute/Metric Name to not agree word for word as in the following examples. a. Additional Principal is not on the report but it is shown and the beginning words for "Lender 7 GA Claim Interest Paid to Lenders. b. Add "section" to Change in Supplemental Reinsurance Request. It is just for format consistency. c. Add Full Refund of Reinsurance Claims to "Reinsurance Claim Paid in Current Fiscal Year". d. Add "section" after reinsurance claim paid in previous fiscal year e. Add "Refunds for Overpayments and Overbilling" to Partial Refund of Reinsurance Claims Section. f. Page 18. Add "Default and Bankruptcy Collections" - Default Collection Section. This section of the attribute/metric name is confusing because Default and Bankruptcy is tacked onto false certification (F-5 through 8) descriptions under attribute/metric name for , total collected, applied to principal purchased interest & pre 11/90 SPA ,&Applied to Accrued interest. g. Page 19. The header for Rehabilitated Loans Section was left off. h. Page 21. The header for "GA Administrative Wage Garnishment-Default Collection Section was left off.	6-22	PS	4/11/01	Y	
59	Additional technical information should be included. There is not enough technical information contained in the document to adequately understand what will be built and tested and why it has been designed. The document does not have enough information to understand what is planned/scheduled to be accomplished on this contract. As this document is currently written it is impossible to conclude that the overall design approach is sound and well conceived.	Overall	CTGi	4/11/01	N	Please see updates applied to other individual points below.
60	Overall, this document seems to be written for users/operators telling them what they can expect at the end of FP Data Mart, Release I, system implementation with respect to reports. There is very little technical detail in the entire document as to how this will be accomplished	Overall	CTGi	4/11/01	Y	A more detailed technical architecture diagram and a reference to the SFA Technology Policy and Standards Guide was

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						added in section 1.2 Overview of the Data Mart technical architecture. The identified reference should provide background as to the use of COTS tools to assist in the development and display of information within a data mart environment. Appendix C is a very detailed mapping of the source system to the target FP Data Mart fact tables.
61	There is no definition or functional information about the MicroStrategy software application. Is this a Commercial off the Self (COTS), customized COTS, or a custom application?	Overall	CTGi	4/11/01	Y	It is a COTS tool. Please refer to the SFA Technology Policy and Standards Guide mentioned in section 1.2 Overview of the Data Mart technical architecture
62	There is no definition or functional information about the Informatica software application. Is this a Commercial off the Self (COTS), customized COTS, or a custom application?	Overall	CTGi	4/11/01	Y	It is a COTS tool. Please refer to the SFA Technology Policy and Standards Guide mentioned in section 1.2 Overview of the Data Mart technical architecture
63	There are no details, functions, or processes regarding any of the sub-contractor efforts in support of the project	Overall	CTGi	4/11/01	Y	Added section 1.2 Overview of Project Approach that identifies some subcontractor effort. Overall this is a Modernization Partner project. Personnel connected with firms associated with the Modernization Partner programme are assigned to this project.
64	There is minimal information regarding system security, only that it, "will utilize MicroStrategy's security functionally." No requirements or functions dealing with overall system security, compliance with the Information Privacy Act, other pertinent act and laws, etc. are presented.	Overall	CTGi	4/11/01	Y	

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65	The document does not provide traceability of the design to any requirements of the FP Data Mart Requirements and Conceptual Design Report or the FP Channel Requirements Matrix and Supporting Technologies Report. There is a high risk of problems and delays during the upcoming building and testing portions leading to the implementation of the FP Data Mart system, without system or process traceability to system and process requirements.	Overall	CTGi	4/11/01	Y	Added a different introductory sentence to the list of business functions that will be addressed with the data mart. In the Introduction, changed the wording to match what was included in the Task Order. High level requirements are available in the Task Order and the requirements for the Lender Risk Scorecard are contained in the Risk Modeling Conceptual Design Report. The end user 'requirements' for a data mart are the types of analysis, trending, benchmarking, etc. that they want to conduct. In working sessions with the FP data mart end users, it was clearer to address the types of analysis that they do by discussing reports and how they wanted to see the data on the reports.
66	The section describing "Data Acquisition and Data Mapping" is overall very sparse and lacking in design details. For instance, the section concerning "Data Acquisition Design" consists of only the definition of the three phases of data acquisition extraction, transformation, and loading. More specific details regarding all phases of this process, including error handling and data quality assurance, are needed in the section	Overall	CTGi	4/11/01	Y	Additional information was added to section 4.1.1 Data Acquisition Process and 4.1.3 Data Quality Assurance. In addition, Appendix C provides a detailed mapping of source system to target FP data mart fact table. The Informatica software is used to conduct the ETL process. Please refer to the

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						SFA Technology Policy and Standards Guide mentioned in section 1.2 Overview of the Data Mart technical architecture and the literature on the Informatica software for additional information.
67	The Risk Model-monitoring portion of the FP Data Mart system is not addressed, except for one reference to the Risk Management Scorecard report.	Overall	CTGi	4/11/01	Y	Additional information related to the Lender Risk Scorecard was added in section 2.3.12 Lender Risk Scorecard. The processes to use the information contained within the Scorecard are still to be determined by SFA FP Partner Services directors.
68	There is no delineation in the FP Data Mart Design, Release 1.0 document concerning what specifically establishes the infrastructure of the FP Data Mart and what is required to support only of the Federal Family Education Loan (FFEL) database transfer.	Overall	CTGi	4/11/01	Y	Please refer to the revised architecture diagram and the SFA Technology Policy and Standards Guide mentioned in section 1.2 Overview of the Data Mart technical architecture
69	Information regarding the hardware types, capabilities, and models along with overall planned system architecture is not presented in the FP Data Mart Design, Release 1.0 document	Overall	CTGi	4/11/01	Y	Please refer to the revised architecture diagram and the SFA Technology Policy and Standards Guide mentioned in section 1.2 Overview of the Data Mart technical architecture
70	There are a number of acronyms used throughout the FP Data Mart Design, Release 1.0 document that are not spelled out when they are first used. It is recommended that a table listing all acronyms used in the report be included as a part of the report.	Overall	CTGi	4/11/01	Y	The first usage of acronyms will identify the full words used in the acronym.
71	The formatting of this document is inconsistent and difficult to follow. The use of multiple fonts, non-consistent heading styles, and lack of section and sub-section numbering makes it difficult to accurately establish and describe	Overall	CTGi	4/11/01	Y	Section identifiers were added. The sample report layouts are a different font as they were

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	the position(s) of the information contained in Part Two of this memorandum. It is suggested that all future reports submitted to Department of Education, Office of Student Financial Assistance (SFA) use the report or technical product format or a combination of both as specified in the Federal Systems Integration and Management Center (FEDSIM) Writers Guide.					designed in Excel and pasted into the document. Other fonts were changed to be Book Antiqua.
72	"This document contains the detailed designs for the three major components of the architecture: the end user requirements, including reports and queries, the database, and data acquisition." After reviewing the document, the reports are covered, but not the queries. Where are the queries? What are the end user requirements?	1 – Introduction	CTGi	4/11/01	Y	Added a sentence at the end of section 2.1 Requirements. Added 'and query' to section 2.4 Ad Hoc Reporting. The queries are considered as ad-hoc reports and thus specific designs are not established. The user has the ability to create queries based upon the information that is supporting the current reports.
73	"The exact users in…." Is there an upper limit to the number of users in each group?	2 – FP Channel Users	CTGi	4/11/01	Y	Added a sentence to identify the expected maximum number of users.
74	"FP Channel power users…these people will usually use the MicroStrategy…". What other methods are available?	2 – FP Channel Power Users	CTGi	4/11/01	N	They can also use the MicroStrategy desktop software.
75	"FFEL will perform a routine extract of activity from the previous period." What is this period for uploading? What data will be extracted?	2 - Overview of the Data Mart Architecture	CTGi	4/11/01	Y	Changed the sentence to be more specific.
76	This architecture diagram does not conform to the FP Data Mart Production Architecture diagram that is presented in the file FP Data Mart Architecture.doc dated 2/9/01.	3 - Diagram	CTGi	4/11/01	Y	A revised version of the architecture diagram was added based upon discussion from a meeting on 4/5/01.
77	The Data Requirements Description column states that data from FY1995 to the present will reside in an Oracle Database. What data?	3 - Data Requirements	CTGi	4/11/01	N	Refer to the Appendix C
78	"The data will reside in the Oracle database, with data from FY1995 to the present. G.A. and Lender name and address will be current only (no history). All G.A.s and Lenders that have had activity within the past two years will be included in the initial load."	3 and 4 - Data Requirements	CTGi	4/11/01	N	We need to make sure that we have active G.A.s and Lenders on the system. An Active GA or

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	These assumptions appear to be conflicting? Can there be data in the database for a lender that has not been active for three years?					Lender is one what has had activity in the last 2 years. For those G.As and Lenders, we will load all data back to FY 1995 (according to Appendix C). For information like names and addresses, we only want current information. For example, if the address changed 4 times in the last 6 years, we only want the current address. There might be data for a GA or Lender that was not active in the last 2 years, but this would just be extra data.
79	"Report (As of) Date will be displayed …" This date gets printed on the reports, but what does this date represent?	4 - Decision/ Assumption Matrix	CTGi	4/11/01	Y	
80	"Page number will be displayed in the upper left hand corner of every pre-defined report." This is inconsistent with Design Presentation briefing dated March 20, 2001 on page 5. All reports in this document have page number in upper right not upper left as listed here.	4 - Decision/ Assumption Matrix	CTGi	4/11/01	Y	Corrected to upper right hand corner.
81	In the Error Handling column: "ETL" is undefined and does not appear on an acronym list. An acronym list is not included in this document. What is ETL?	4 - Decision/ Assumption Matrix	CTGi	4/11/01	Y	The first usage of acronyms will identify the full words used in the acronym Also refer to section 4 Data Acquisition and Data Mapping
82	The list of reports is not consistent with the Design Presentation briefing dated March 20, 2001. There are two reports not included in this document that were listed in the design presentation on page 6. The missing reports are: Payment/Billing Summary Statement, and Interest and Special Allowance Payments.	5 and 44 - Guaranty Agency Reports And Lender Reports	CTGi	4/11/01	N	The Payment/Billing Summary Statement was discussed in the IPT Checkpoint meeting on 4/4/01. The report was removed since it just did arithmetic on 2 values from the Summary of Final Transactions (for Subsidized and

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						Unsubsidized Loans). The Special Allowance Payments report was removed when a change was made to the Lender's Interest and Special Allowance Request and Report during the meeting on 3/20/01.
83	The titles listed in this table are not the same as those presented in the paragraph titles for reports 1, 2, 3, 4, 5, 6, 8, 9, and 10.	5 - Guaranty Agency Reports	CTGi	4/11/01	Y	
84	The sources listed in this table are not consistent with page 6 of the Design Presentation briefing dated March 20, 2001.	5 - Guaranty Agency Reports	CTGi	4/11/01	N	During the meeting on 3/20/01, the users requested that we change them since the information from the 'data book' originally comes from the Form 1130.
85	"The report layouts were designed in Excel and the actual report layout in MicroStrategy may appear differently." How different will the MicroStrategy report layouts appear? Will there be an example of MicroStrategy's report layout in future documents?	5 - Guaranty Agency Reports	CTGi	4/11/01	N	The reports are more GUI based with the ability to 'drill'. This is hard to show in Excel. A copy of screen prints from MicroStrategy will be available at a later date.
86	There is a reference to a field A-15 on form 1130. Is this Default Claims Paid (A-15) on page 6?	27 - Default Dollars Paid to Lenders – FYXXX1 through FYXXX5	CTGi	4/11/01	N	This refers to the original Form 1130. It so happens that the field identified on page 6 also comes from field A-15 on the original Form 1130.
87	The prompt format for the Fiscal Year Beginning is YYYY not CCYY, as are the other prompts.	28 – Prompt Format	CTGi	4/11/01	Y	
88	There is both a "create date" and a "report date". The "create date" is not defined within this document.	31 - Summary of Final Transactions (DDTs)	CTGi	4/11/01	N	The Create date is the date that the Statement of Account was created in the FFEL system.
89	There are no formats for the prompts.	48-Lender's Interest and Special Allowance	CTGi	4/11/01	Y	

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		Request and Report (Form 799)				
90	This is listed as Section 2, but should be Section 3. The numbering is off for the remaining lender report sections.	50 - Lender Multi-Year Portfolio Analysis Report	CTGi	4/11/01	Y	
91	The attribute year does not have any information in the Calculated Field nor Data Mart Table, Column field.	51 - Lender Multi-Year Portfolio Analysis Report	CTGi	4/11/01	Y	
92	How does the lender name get populated?	52 - Lender Changes in Loan Principle (Form 799: Part V)	CTGi	4/11/01	Y	
93	Are the blank fields placeholders for later data?	55 - Lender 799 G/L Comparison	CTGi	4/11/01	N	The user wanted these blank so that they could download to Excel and enter the information into the Excel spreadsheet when they were onsite for a review.
94	Where is the * after the Format label pointing?	55 - Lender 799 G/L Comparison	CTGi	4/11/01	Y	Removed the '*'
95	This is the first instance of the lender name in the prompts table. Is there a reason for this? The lender name Required field is blank.	59 - Consolidation Loan Rebate Fee Report	CTGi	4/11/01	Y	Removed
96	Will other users see changes to the reports? How is the repository updated with the new or the modified reports? Where are the reports stored? What information is stored – the format of the report, the actual data or both?	65 - Customizing Pre-defined Reports and Created New Reports	CTGi	4/11/01	Y	Added several sentences.
97	"Users have the capability to select as detailed a report as needed and then to	65 -	CTGi	4/11/01	N	Yes

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	save the report with the selected prompts. This allows the creation of reports for specific Years and/or Quarters, Payments, Fees, etc. to be saved and rerun at a later date." Does this mean the report format is saved and can be rerun at a later date with updated information?	Customizing Pre-defined Reports				
98	"These models display a schema…." A schema in database terminology has detailed database information, including table name, column name, data type, size, and other information.	66 - Database Design	CTGi	4/11/01	Y	Removed the word 'schema'
99	The overall Database Design section does not provide information detailing the design/structure of the target/destination Oracle database. What is the design and structure?	66 - Database Design	CTGi	4/11/01	N	The physical design of fact tables to their indicies between the tables is similar to the logical design
100	What are the 34 dimension tables. What is the relationship of the fact and dimension tables? Will the number of tables increase and how will this be handled?	66 - Logical Data Model	CTGi	4/11/01	N	This is data mart technology. Think of the dimensions as indexes into the fact tables. Both the fact tables and the dimension may increase if the requirements change.
101	"While FFEL…the database design contains a few additional tables…" What are these tables?	66 - Logical Data Model	CTGi	4/11/01	N	Refer to Appendix C to see where information is extracted from the Dbase file. The lender associations are in the dimension called Lender (as the parent Lender).
102	"1. Lender Association codes (provided from PEPS through a manual feed), and 2. Annual Report data from 1130, which is not currently entered into FFEL (dBaseIII file)." What process is in place to perform these tasks? What are the risks involved in the manual process? What happens if erroneous data is found, while performing a manual process?	66 - Logical Data Model	CTGi	4/11/01	Y	See the updates to section 4.1.1 Data Acquisition Process
103	A representation of the Fact and Dimension logical model is depicted, but the determining "key" to reference each table is not clear. Is the determining key in "Bold"?	66 - Logical Data Model	CTGi	4/11/01	N	The 'keys' to the fact tables are the fields that make up the dimensions. For example, using

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	What is the datatype?					the SOA DDT on page B-5 and the table layout on page C-53 the 'keys' are GA_ID, GA_Geography_ID, GA_SOA_Creation_Date_ID, and GA_DDT_Txn_Type_Code.
104	"The data mapping between the source (e.g., FFEL, dBase files) and target system (FP Data Mart) is detailed in Appendix C of this document." Appendix C shows details of the 27 tables, but doesn't show how the dimension tables fit into the scheme. There are many data elements from the source system field being fed into a single Fact Table Column. How does this mapping work?	67 - Sentence between tables	CTGi	4/11/01	N	See section 1.2 Overall Project Approach and the 'map the source data' bullet. This is a process done in the Informatica software.
105	How do the Dimension Name and Dimension Description get mapped into the dimension tables?	67 - Dimensions Table	CTGi	4/11/01	N	The information contained in this table is the information that is used to load the Dimension tables.
106	Is it "Extract-tranform-load" or Extract-transform-load?	73 - Data Acquisition Design	CTGi	4/11/01	Y	
107	"In the FP data mart… FFEL will send a file w/ changed data on a monthly basis to the data mart's staging area." How is the changed data identified in FFEL? How is the reporting period identified?	73 - Data Acquisition Design 1. Extraction	CTGi	4/11/01	Y	See section 4.1.1 Data Acquisition Process
108	"In the FP data mart architecture, we will only be adding data, never updating or deleting specific records." Are there mechanisms identified to handle data corrections?	73 - Data Acquisition Design 3. Loading	CTGi	4/11/01	N	Any 'data corrections' will be accomplished by restoring the data mart from the previous backup (prior to the load) and re-executing the Informatica process.
109	"The Oracle Bulk Loader utility will load the fact tables." Loading the dimension table is not addressed. Will the same utility also load the dimension table?	73 - Data Acquisition Design 3. Loading	CTGi	4/11/01	N	The dimension tables are pre-populated with the information contained in section 3.3 Dimensions. Dimensions that are based on dates are pre-populated out to 2010.
110	"This file will be loaded into a staging area of the data mart architecture, which is comprised of Oracle tables."	73 - Data Acquisition	CTGi	4/11/01	N	Reference the SFA Technology Policy and Standards Guide that

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	What is the staging area?	Process				Policy and Standards Guide that was added in section 1.2 Overview of the Data Mart technical architecture. For additional information, refer to the product documentation on Informatica.
111	How is "UNKNOWN" going to be handled in the Oracle database?	74 - Data Quality Assurance	CTGi	4/11/01	Y	Added the word 'nulls' for those fields that are numeric.
112	What are "Keys"? There is no reference to keys in the data mapping or tables.	74 - Data Quality Assurance	CTGi	4/11/01	Y	Added a phrase regarding 'keys'
113	"Initial groups will be FP, other SFA, and external users." This is only 3 groups listed, but there are 4 user groups (i.e., FP Channel Users, FP Channel Power Users, Other SFA Users, External Financial Partners) defined on Page 2.	76 - User Access to the SFA/FP Data Mart	CTGi	4/11/01	Y	Added a phrase to identify FP users as both Channel users and Power users.
114	Will the FP Data Mart change with the change to Form 799?	77 - Business Process Re-engineering 4. Revising Form 799	CTGi	4/11/01	N	The change to the Form 799 will occur when the form is processed by the FMS system. The FMS system was identified as a source system for a future release of the FP Data Mart.
115	Is there a standard convention for the arrow usage?	Appendix B	CTGi	4/11/01	N	The standard convention of 1-to-many
116	The page number is inconsistent. The following table begins C-1 again.	C-1 - Table Listing	CTGi	4/11/01	Y	
117	Table 2 is listed as F_GA_COLLECTIONS here, but F_GA_COLLECTION on Page C-3 and Page 67.	C-1 - Table Listing	CTGi	4/11/01	Y	Change to GA_Collection
118	How does the source system field get linked to the Fact Table Column and what is the association of GA_ACCT_ACTIVITY_ID?	C-1 - F_GA_ACC T_ACTIVIT Y	CTGi	4/11/01	Y	The GA_Account_ID field was renamed to GA_Acct_Activity_ID.
119	There are multiple Source System Fields being mapped to a single Fact Table Column – why?	C-1 - F_GA_ACC T_ACTIVIT	CTGi	4/11/01	N	See section 1.2 Overview of Project Approach.

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		Y				
120	What is Greg's Dbase and how does it fit in to this? How will it be converted and when?	C-5	CTGi	4/11/01	Y	Revised to say that it is the Dbase file. Also included in section 1.4 Overview of data mart architecture as 'FFEL Annual Info – Dbase'
121	The Fact Table Column called GA_GEOGRAPHY_ID is used in multiple tables. How does this work?	C-1, C-4	CTGi	4/11/01	N	It is a dimension. Think of it as an index.
122	What are the differences in the data from the Original Hardcopy Forms 799, 1130, and 1189 and what data from each form will be stored in the FP Data Mart? Where is the data from each form currently located?	General Questions	CTGi	4/11/01	N	The data is currently located in the FFEL system. There should be no differences between the data that is on the hard copy form and that which is in the FFEL system if the GA or Lender completed the form correctly and it passed all edit checks.
123	Will the system be operable/usable when the periodic load of the Oracle tables is being performed?	General Questions	CTGi	4/11/01	N	The system will not be available during the loads. This will be conducted on a weekend.
124	What is the process to build the Oracle database and tables?	General Questions	CTGi	4/11/01	Y	The Informatica tool is used. See also section 1.2 Project Approach Overview.
125	Update Summary of Final Transactions (DDTs) report to reflect appropriate row labels and placement of amounts	31	Mod Ptr	4/11/01	Y	
126	Add a section that identifies the major differences between transactional database systems and data marts. This is as a result of the meeting with CTGi on 4/12/01		Mod Ptr	4/12/01	Y	See section 1.6 Differences Between Transactional Systems and Data Marts
127	Update Appendix C, Appendix B, the diagram in the Data Design Section, and the matrices supporting the reports for changes made as the reports were entered into MicroStrategy	Multiple	Mod Ptr	4/16/01	Y	The following changes were applied: **Main Document:** • Diagram in the Data Design Section • Dimension table to add GA Rehab Loans

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						• Added new fact tables to the list in the database design section • Changed the report mappings for reports in section 2.2.1, 2.2.2, 2.2.3, 2.2.4, 2.2.5, 2.2.6, 2.2.7 **Appendix B:** • Replace fact tables F_GA_Guarantee_Activity_Claims and F_GA_Guarantee_Activity_Loans with fact table F_Guarantee_Activity • Replace fact table F_GA_Request_Fee_Claims with F_GA_Addl_Reins_Rqst, F_GA_Reins_Rqst, F_GA_Chng_Stat_Supp_Reins_Rqst, F_GA_Chng_Rqst, and F_GA_Rfnd_Reins_Claim • Added dimension GA Rehab Loans to the overview and to the GA Rehab Loans fact table pictures • Changed GA Fund dimension on the overview, GA Fund Source, and GA Fund Usage fact table pictures • Changed GA Federal Fund dimension on the overview and

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						on the GA Federal Fund, GA Restricted Fund fact table pictures to GA Projected Federal Fund • Changed GA Federal Receivables Category dimension on the overview and on the GA Federal Receivables fact table pictures • Change GA Transaction Category dimension on the overview and on the GA Pending and Contingent Transactions fact table pictures • Replace fact table F_GA_Federal Tax_Refund_Offset with existing fact table F_GA_Acct_Activity **Appendix C:** Removed fact tables: • F_GA_Guarantee_Activity_Claims, • F_GA_Guarantee_Activity_Loans, • F_GA_Request_Fee_Claims, • F_GA_Federal Tax_Refund_Offset Added Fact tables: • F_Guarantee_Activity,

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						• F_GA_Addl_Reins_Rqst, F_GA_Reins_Rqst, • F_GA_Chng_Stat_Supp_Reins_Rqst, • F_GA_Chng_Rqst, F_GA_Rfnd_Reins_Claim, • F_Lndr_Scorecard Changed fact tables: • F_GA_Acct_Activity – changed source system fields from 1189 parts f and j and now using part g, • F_GA_Collection – removed individual fields for each percent breakdown and added a generic group of fields and a dimension id, • F_GA_Federal_Fund – change a dimension id to GA_Prjctd_Fncl_Fund_id, • F_GA_Fund_Source – changed a dimension id to GA_Fund_ID, • F_GA_Fund_Usage – changed a dimension id to GA_Fund_ID, • F_GA_Operating_Fund – changed a dimension id to GA_Prjctd_Fncl_Fund_ID, • F_GA_Pending_Txn – changed a dimension id to GA_Fund_ID, • F_GA_Rehab_Loan – removed individual fields for each percent breakdown and added a generic group of fields and a dimension id,

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						• F_GA_Restricted_Fund – changed a dimension id to GA_Prjctd_Fncl_Fund_ID,